

SPRAYING GEL BASE AND SPRAYING NASAL DROP USING THE SAME

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Abstract of JP5124955

PURPOSE: To obtain a spraying gel base excellent in spreadability by disintegrating an agar jelly by mechanical stimulation.

CONSTITUTION: A spraying gel base is obtained by mixing agar with water, thermally dissolving the mixture, cooling and solidifying the prepared solution, uniformly disintegrating the formed solid with a homomixer, etc., regulating the viscosity to 100-600 cP at 20 deg.C and further preferably blending a water-soluble polymer compound (e.g. hydroxypropyl cellulose) therewith. The spraying gel base is excellent in its spreadability even at a low viscosity without causing liquid sagging with hardly any change in viscosity before and after the spraying and has a constant grain diameter. An active medicine can be blended in the gel base to provide a spraying nasal drop. Thereby, the medicine can steadily be released to the mucous membrane of the nasal cavity.

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